

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 80.7

Color temperature:

3076 K

Output: 3060 lm

Peak: 4108 cd

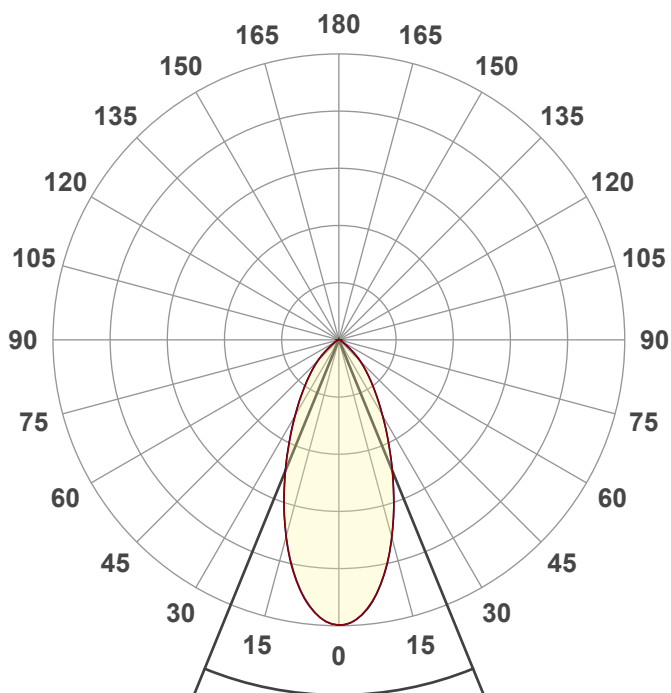
Power: 40.7 W

PF: 0.98



NU3-RD-SW-40LM-30K-80-25D-DL-WH-WH

Date and time:
11/9/2020 1:28:24 PM



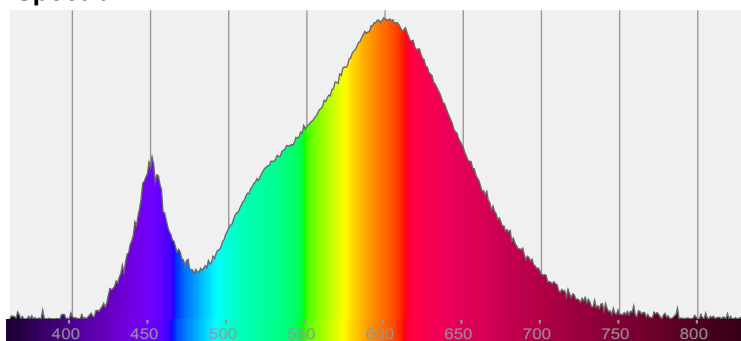
Beam angle

44.4°

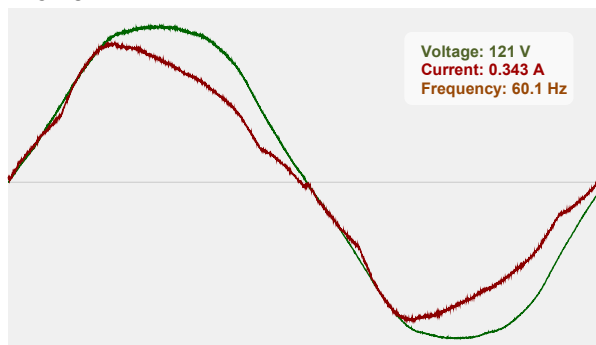


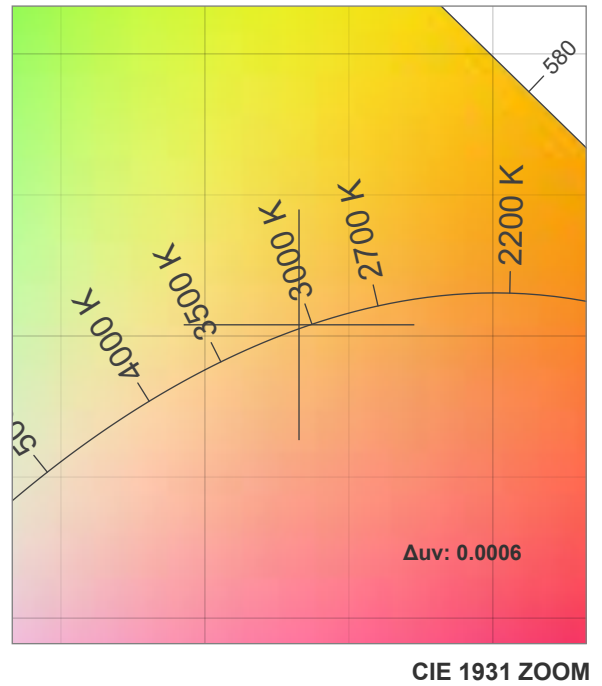
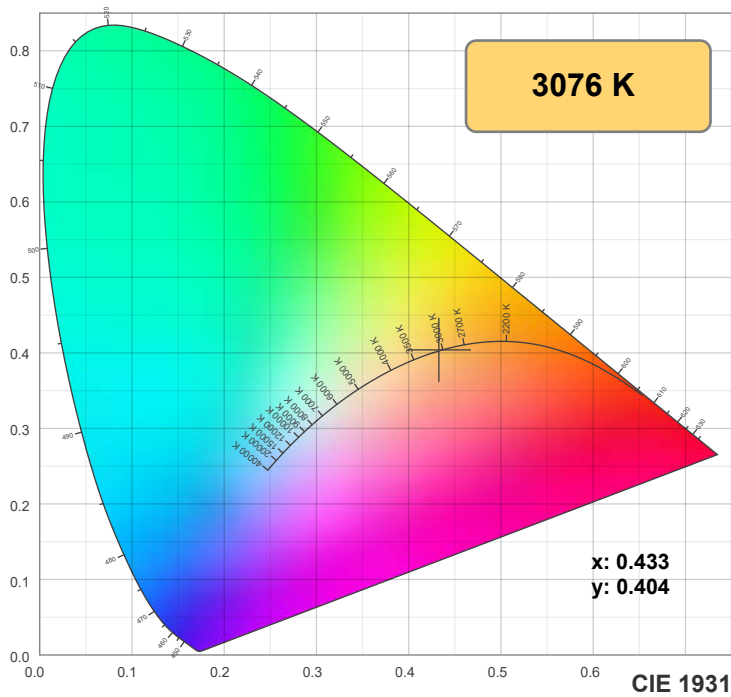
CIE 1931
x: 0.433
y: 0.404

Spectra

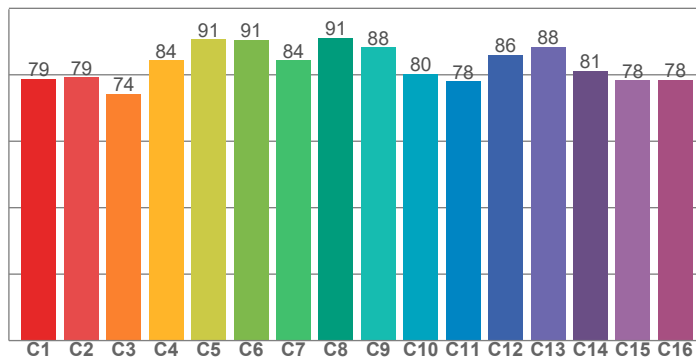


Power

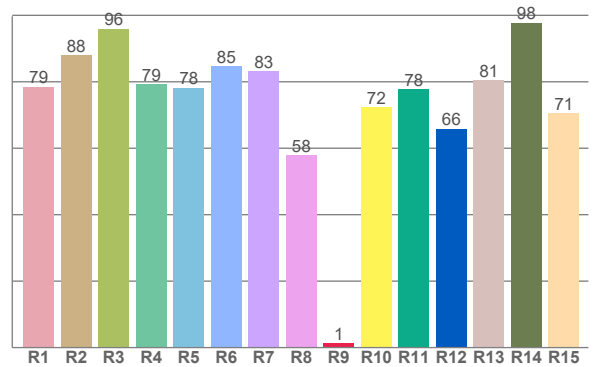




TM30: 83.0



CRI: 80.7 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
78.5	88.0	96.0	79.3	78.2	84.6	83.2	58.0	1.2	72.4	77.8	65.8	80.6	97.8	70.6

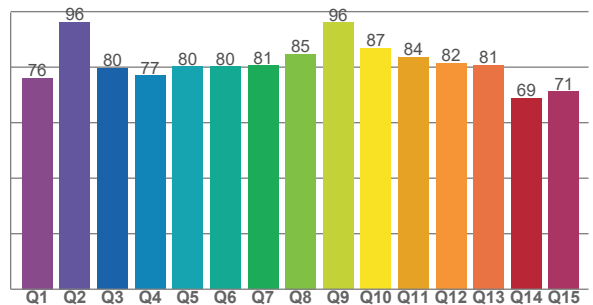
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.8	79.3	74.3	84.3	90.7	90.5	84.3	91.1	88.3	80.3	78.0	86.0	88.4	81.2	78.3	78.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.2	96.2	79.6	77.0	80.2	80.2	80.6	84.7	96.0	86.8	83.6	81.5	80.8	68.8	71.2

CQS: 80.1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3076 K	80.7	1.2	83.0	96.7	80.1	0.433	0.404	0.248	0.347	0.0006

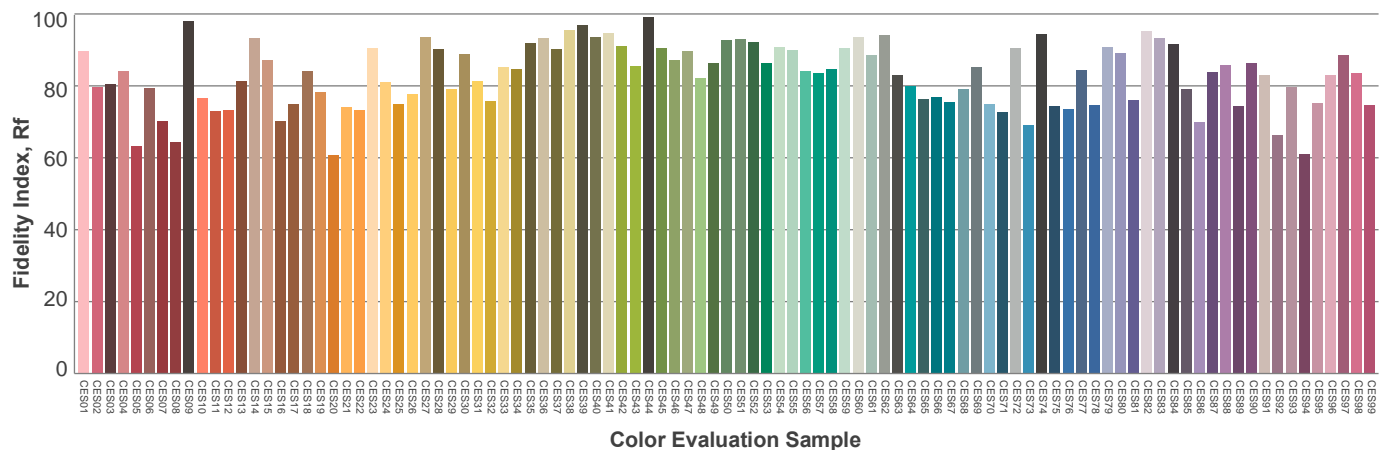
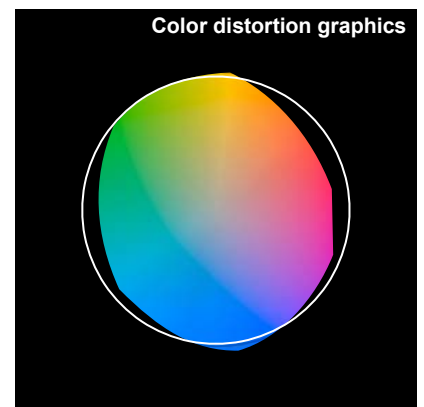
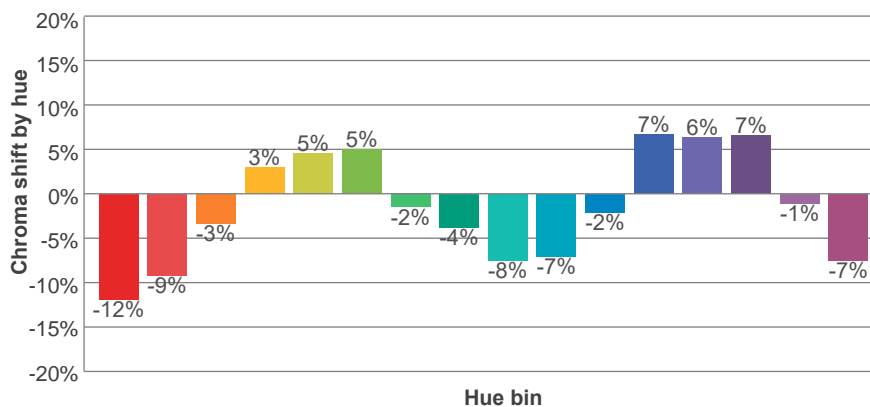
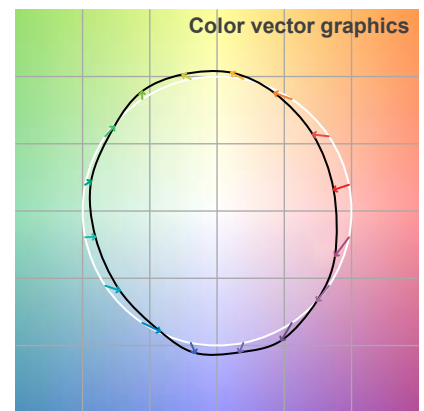
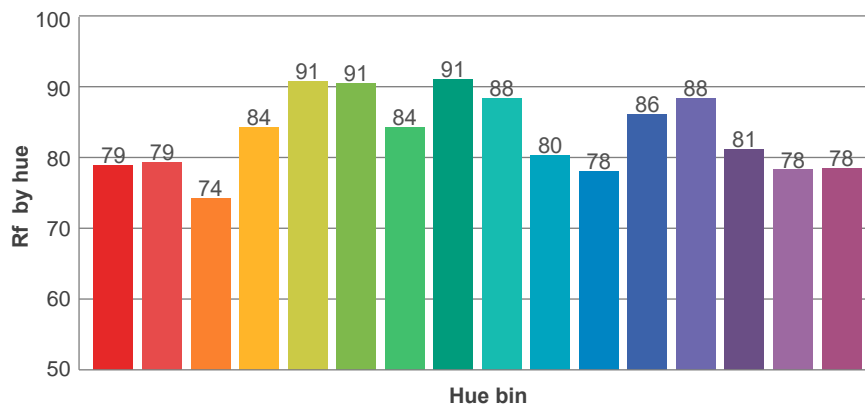
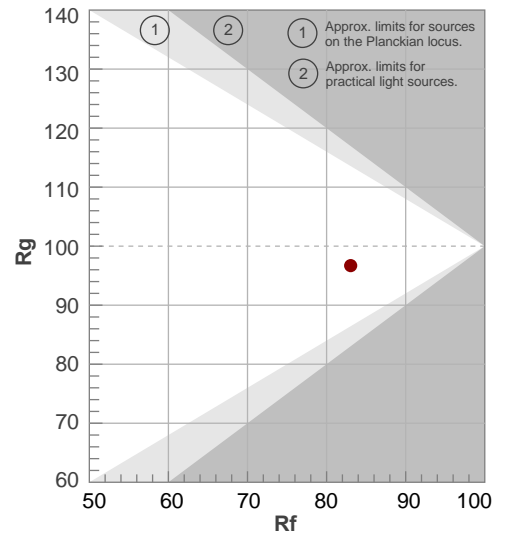
Rf 83.0

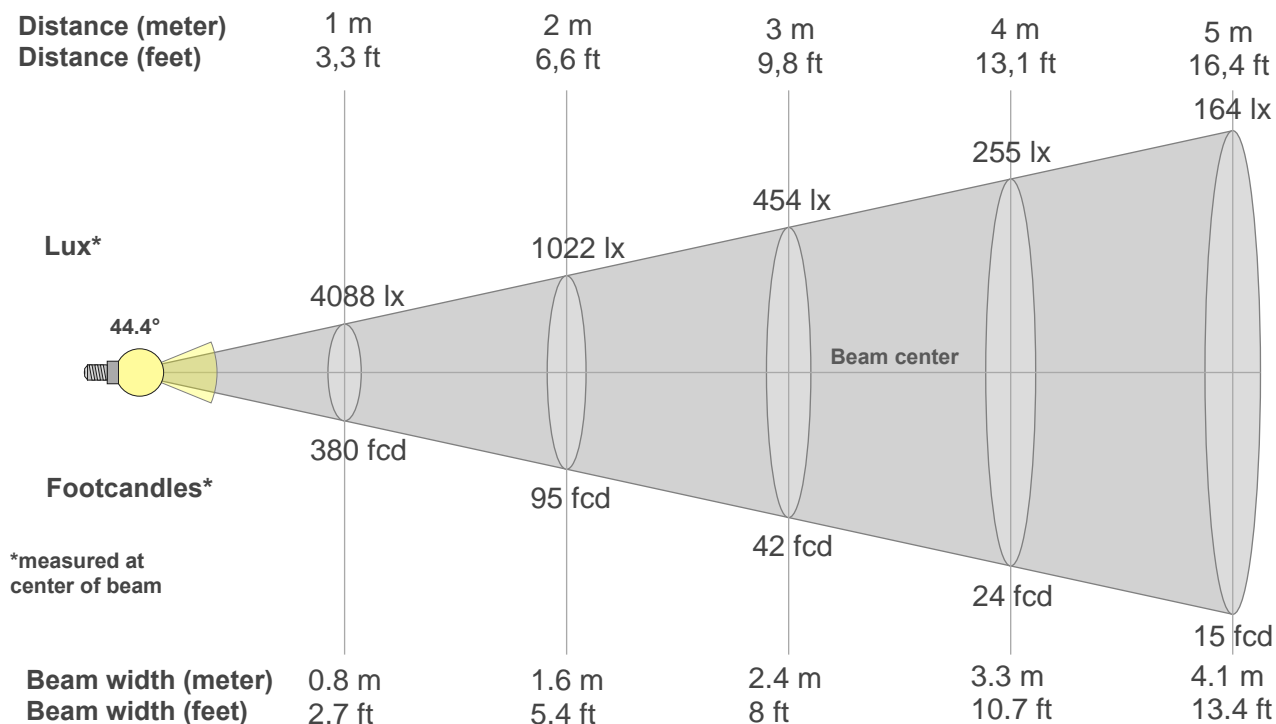
Fidelity index Rf

Rg 96.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	79	-9%	8%
3	74	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	91	5%	-3%
7	84	-2%	-10%
8	91	-4%	-4%
9	88	-8%	1%
10	80	-7%	9%
11	78	-2%	14%
12	86	7%	5%
13	88	6%	-4%
14	81	7%	-14%
15	78	-1%	-14%
16	78	-7%	-16%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
4088lx	1022lx	454lx	255lx	164lx	114lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
379.8fcd	94.9fcd	42.2fcd	23.7fcd	15.2fcd	10.5fcd	7.8fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	0.9fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4088	4080	4004	3879	3743	3531	3319	3078	2823	2569	2321	2073	1853	1642	1444	1278	1112	983	861	750
100%	100%	98%	95%	92%	86%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4088	4097	3999	3900	3737	3539	3331	3079	2826	2573	2319	2074	1853	1631	1448	1274	1116	984	852	749
100%	100%	98%	95%	91%	87%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4088	4093	3988	3877	3722	3521	3318	3068	2819	2569	2317	2070	1852	1634	1446	1273	1109	980	851	745
100%	100%	98%	95%	91%	86%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
4088	4067	3996	3860	3725	3511	3295	3062	2812	2562	2319	2076	1855	1648	1447	1285	1123	987	863	746
100%	99%	98%	94%	91%	86%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.4°	91.6°	111.7°	98.1%	90.0%